

AUG 30 2004

FORM PTO-1449/A and B (Modified)

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICATION NO.: 09/808,745

ATTY. DOCKET NO.: H0498.70135US00

FILING DATE: March 15, 2001

CONFIRMATION NO.: 4346

APPLICANT: Emanuele Ostuni et al.

GROUP ART UNIT: 1651

EXAMINER: Deborah K. Ware

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
Skw		Z. Bao et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques," <u>Chem. Mater.</u> , (1997), Vol. 9, pgs. 1299-1301.	
Skw		G.J. Burger et al., "High-resolution shadow-mask patterning in deep holes and its application to an electrical wafer feed-through," <u>Sensors and Actuators</u> , (1996), A54:669-673.	
Skw		P.E. Burrows et al., "Achieving Full-Color Organic Light-Emitting Devices for Lightweight, Flat-Panel Displays," <u>IEEE Transactions on Electron Devices</u> , (08/1997), V. 44, No. 8, pgs. 1188-1203.	
Skw		W.W. Clegg et al., "The preparation of piezoceramic-polymer thick films and their application as micromechanical actuators," <u>Sensors and Actuators</u> , (1997), A58, pgs. 173-177.	
Skw		F. Garnier et al., "All-polymer field-effect transistor realized by printing techniques," <u>Science</u> , (09/16/1994), V. 265, No. 5179, pgs. 1684-86.	
Skw		Goldberg, H.D., et al., "Screen printing: a technology for the batch fabrication of integrated chemical-sensor arrays," <u>Sensors and Actuators</u> , B21:171-183 (1994).	
Skw		V. Golovanov et al., "Different thick-film methods in printing of one-electrode semi-conductor gas sensors," <u>Sensors and Actuators</u> , (1996), B 34, pgs. 401-406.	
Skw		M. Granstrom et al., "Micrometer- and nanometer-sized polymeric light-emitting diodes," <u>Science</u> , (03/10/1995), V. 267, No. 5203, pg. 1479-81.	
Skw		M. Granstrom et al., "Flexible Arrays of Submicrometer-Sized Polymeric Light Emitting Diodes," <u>Advanced Materials</u> 1995, 7, No. 12	
Skw		G. Gustafsson et al., "Flexible light-emitting diodes made from soluble conducting polymers," <u>Nature</u> , (06/11/1992), V. 357, pgs. 477-479.	
Skw		T.R. Hebner et al., "Ink-jet printing of doped polymers for organic light emitting devices," <u>Applied Physics Letters</u> , (02/02/1998), V. 72, No. 5, pgs. 519-21.	
Skw		Y. Kijima et al., "RGB Luminescence from Passive-Matrix Organic LED's," <u>IEEE Transactions on Electron Devices</u> , (08/1997), V. 44, No. 8, pgs. 1222-1228.	
Skw		E.M. Kirschner, "Electronic Chemicals: Lightning-fast electronics market sparks semiconductor chemicals," <u>C&EN</u> , November 24, 1997, pgs. 25-39.	

EXAMINE R

Deborah K. Ware

DATE CONSIDERED

11-10-04

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Stew		S. Leppavuori et al., "A novel thick-film technique, gravure offset printing, for the realization of fine-line sensor structures," <u>Sensors and Actuators</u> , (1994), A 41-42, pgs. 593-596.		
Stew		H. Lorenz et al., "Low-cost technology for multilayer electroplated parts using laminated dry film resist," <u>Sensors and Actuators</u> , (1996), A53, pgs. 364-368.		
Stew		S. Noach et al., "Microfabrication of an electroluminescent polymer light emitting diode pixel array," <u>Appl. Phys. Lett.</u> , (12/9/1996), V. 69, No. 24, pgs. 3650-3652.		
Stew		Y. Mikami et al., "A New Patterning Process Concept for Large-Area Transistor Circuit Fabrication Without Using an Optical Mask Aligner," <u>IEEE Transactions on Electron Devices</u> , (03/1994), V. 41, No. 3, pgs. 306-314.		
Stew		M.L. Renak et al., "Microlithographic Process for Patterning Conjugated Emissive Polymers," <u>Advanced Materials</u> , (1997), V. 9, No. 5, pgs. 392-395.		
Stew		Z. Shen et al., "Three-color tunable, organic light-emitting devices," <u>Science</u> , (06/27/1997), V. 276, No. 5321, pgs. 2009-11.		
Stew		K.M. Vaeth et al., "Transition Metals for Selective Chemical Vapor Deposition on Parylene-Based Polymers," <u>Chem. Mater.</u> , (2000), Vol. 12, pgs 1305-13.		
Stew		J. Wang et al., "Identification of a blue photoluminescent composite material from a combinatorial library," <u>Science</u> , (03/13/1998), V. 270, No. 5357, pgs. 1712-14.		
Stew		X.-D. Xiang et al., "A combinatorial approach to materials discovery," <u>Science</u> , June 23, 1994, V. 268, No. 5218, pgs. 1738-40.		
Stew		P. Yam, "Plastics Get Wired," <u>Scientific American</u> , July 1995, V. 273, Issue 1.		
Stew		A.J. You et al., "A miniaturized arrayed assay format for detecting small molecule-protein interactions in cells," <u>Research Paper</u> , (12/1997), pgs. 969-75.		

EXAMINE R

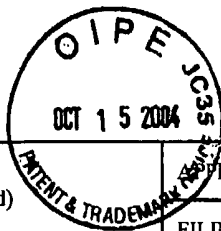
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APPLICANT: Emanuele Ostuni

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<i>DKW</i>	17.	2004/0156988	A1	Mehenti et al.	08-12-2004
<i>DKW</i>	18.	5,948,470		Harrison et al.	09-07-1999
<i>DKW</i>	19.	6,770,721	B1	Kim	08-03-2004

FOREIGN PATENT DOCUMENTS

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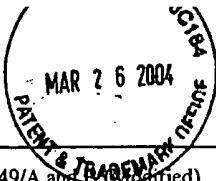
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[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an IDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-1449/A and (B) (Unmodified)

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CONFIRMATION NO.: 4346

APPLICANT: Emanuele Ostuni, et al.

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		Number	Kind Code		
Skw	17	4,022,521		Hall, et al.	05-10-1977
Skw	18	4,119,745		Smith	10-10-1978
Skw	19	4,511,599		Rustomji	04-16-1985
Skw	20	4,988,424		Woodward, et al.	01-29-1991
Skw	21	5,324,591	A	Georger, Jr., et al.	06-28-1994
Skw	22	5,486,452	A	Gordon, et al.	01-23-1996
Skw	23	5,512,131	A	Kumar, et al.	04-30-1996
Skw	24	6,181,144	B1	Hembree, et al.	01-30-2001
Skw	25	6,207,369	B1	Wohlstader, et al.	03-27-2001
Skw	26	2002/0029814	A1	Unger, et al.	03-14-2002
Skw	27	2002/0134907	A1	Benett, et al.	09-26-2002

FOREIGN PATENT DOCUMENTS

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Skw	28	WO	03/062920	A2		07-31-2003	

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Skw	29	JACKMAN, R.J., WILBUR, J.L., AND WHITESIDES, G.M., "Fabrication of Submicrometer Features on Curved Substrates by Microcontact Printing", Science, Vol. 269, August 4, 1995	
Skw	30	OSTUNI, E., CHAPMAN, R.G., HOLMLIN, R.E., TAKAYAMA, S., AND WHITESIDES, G.M., "A Survey of Structure - Property Relationships of Surfaces that Resist the Adsorption of Protein", Langmuir 2001, 17, 5605-5620	
Skw	31	OSTUNI, E., CHAPMAN, R.G., LIANG, M.N., MELULENI, G., PIER, G., INGBER, D.E., AND WHITESIDES, G.M., "Self-Assembled Monolayers that Resist the Adsorption of Proteins and the Adhesion of Bacterial and Mammalian Cells", Langmuir 2001, 17, 6336-6343	
Skw	32	KANE, R.S., SHUICHI, T., OSTUNI, E., INGBER, D.E., AND WHITESIDES, G.M., "Patterning Proteins and Cells Using Soft Lithography", Biomaterials 20 (1999) 2363-2376	
Skw	33	JACKMAN, R.J., DUFFY, D.C., OSTUNI, E., WILLMORE, N.D., AND WHITESIDES, G.M., "Fabricating Large Arrays of Microwells with Arbitrary Dimensions and Filling Them Using Discontinuous Dewetting", Analytical Chemistry, Vol. 70, No. 11, June 1, 1998	
Skw	34	JACKMAN, R.J., BRITAIN, S.T., ADAMS, A., WU, H., Prentiss, M.G., WHITESIDES, S. AND WHITESIDES, G.M., "Three-Dimensional Metallic Microstructures Fabricated by Soft Lithography and Microelectrodeposition", Langmuir 1999, 15, 826-836	
Skw	35	OSTUNI, E., CHEN, C.S., INGBER, D.E., AND WHITESIDES, G.M., "Selective Deposition of Proteins and Cells in Arrays of Microwells", Langmuir 2001, 17, 2828-2834	

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OKW	1.	4,493,757		Piepers	01-15-1985
OKW	2.	4,518,636		Richards et al.	05-21-1985
OKW	3.	5,147,763		Kamitakahra	09-15-1992
OKW	4.	5,155,749		DiMilia et al.	10-13-1992
OKW	5.	5,160,959		Everett et al.	11-03-1992
OKW	6.	5,259,926		Kuwabara et al.	11-09-1993
OKW	7.	5,480,530		Zeida	01-02-1996
OKW	8.	5,705,043		Zwerner et al.	01-06-1998
OKW	9.	6,645,432		Anderson et al.	11-11-2003
OKW	10.	6,686,184		Anderson et al.	02-03-2004
OKW	11.	2002-0029814		Unger et al.	03-14-2002
OKW	12.	2002-0134907		Benett et al.	09-26-2002
OKW	13.	2003-0156992		Anderson et al.	08-21-2003
OKW	14.	2004-0027675		Wu et al.	02-12-2004

FOREIGN PATENT DOCUMENTS

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OKW	15.	WO	01/89787	A2	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	11-29-2001	
OKW	16.	WO	02/084340	A1	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	10-24-2002	

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